

- use the position of the peak having the smallest value of said difference as an estimate of the pitch.

5 8. A device according to claim 7, c h a r a c t e r -
i z e d in that it further comprises:

- means (3) for sampling the speech signal to obtain a series of samples, and
- means for performing said division into segments
10 such that each segment has a fixed number of consecutive samples.

9. A device according to claim 7 or 8, c h a r a c -
t e r i z e d in that it further comprises:

- means (4; 24) for estimating a set of filter parameters using linear predictive analysis (LPA),
- means (4; 25) for providing a modified signal by filtering the speech signal through a filter based on said estimated set of filter parameters, and
- 20 • means (5) for calculating said conformity function of the modified signal.

10. A device according to any one of claims 7 to 9,
c h a r a c t e r i z e d in that said conformity function
25 is an autocorrelation function.

11. A device according to any one of claims 7 to 10,
c h a r a c t e r i z e d in that it is further adapted to
30 select, if the peak having the smallest value of said difference is represented by a number of samples, the sample having the maximum amplitude of said conformity function as said estimate of the pitch.

12. A device according to any one of claims 7 to 11, characterized in that the device is a mobile telephone.

5 13. A device according to any one of claims 7 to 11,
characterized in that the device is an in-
tegrated circuit.

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